

# ALUMINIUM MOULDINGS

U. S. PATENT OFFICE

AUG 12 1922

DIVISION X

U. S. PATENT OFFICE

AUG 12 1922

DIVISION X

*The*  
**British Aluminium Company Limited**  
(OF LONDON, ENGLAND)

165 BROADWAY

NEW YORK CITY

WORKS AT:

KINLOCHLEVEN, FOYERS, BURNTISLAND: SCOTLAND  
MILTON, WARRINGTON: ENGLAND  
STANGFJORD, VIGELANDS: NORWAY  
LARNE: IRELAND

AUG 12 1922

DIVISION X



HE MODERN AUTOMOBILE with its elegantly designed structure clear of all projections, is greatly indebted to Aluminium for its symmetry of design. Not

only are Aluminium sheets generally used to work into the graceful curves of modern sedan, cabriolet or limousine bodies, but the necessary finish to rails, doors, cowls, running boards and roofs is added by the use of specially designed mouldings of the same material. The British Aluminium Company was one of the first to manufacture these mouldings by the process of extrusion or pressing a solid billet through a chrome steel die, but since this process was started up they have manufactured more than eight hundred special sections, all of different shapes, all requiring different dies and in many cases entirely different treatment. They have now two of the most powerful extrusion presses in the world engaged in the continual manufacture of this class of material for which there is an increasing demand.

About two hundred of these eight hundred patterns are Automobile mouldings; especially adapted for various uses in body building. Not only are they of the requisite shapes most in demand, but they are produced in just the necessary softness of temper to be easily worked to shape in the body shop. A few types of moulding such as step edgings are of course supplied in straight lengths hard temper. More than fifty different shapes of lap plate (or door edging) are produced, whilst there are nearly one hundred dies for half oval mouldings. Quite a variety of step edgings is being made because nearly every Automobile Body Manufacturer has his own distinctive pattern.

ALUMINIUM MOULDINGS Produced by  
THE BRITISH ALUMINIUM COMPANY LIMITED

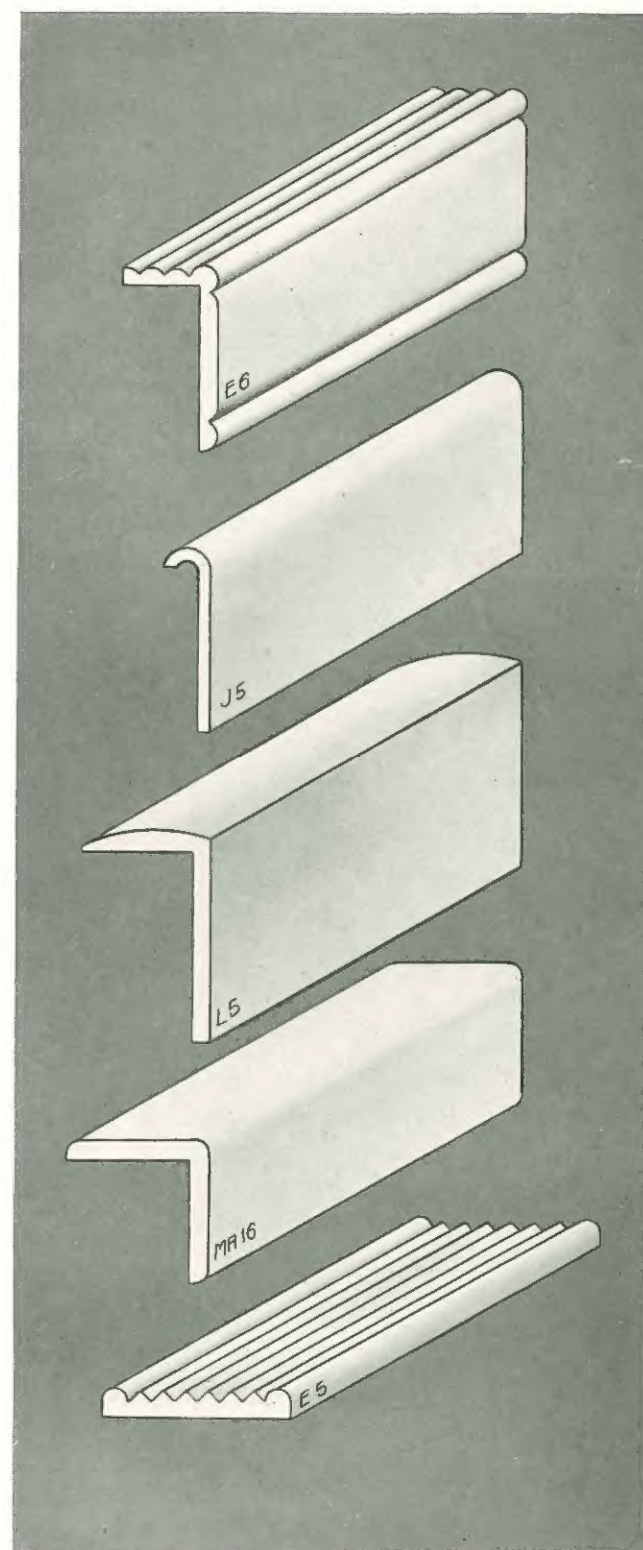


Figure 1. A FEW STEP EDGINGS (Exact Size)



Since the number and variety of mouldings is so great it is impossible to illustrate them all, far less to supply any one of them from stock. However, the British Aluminium Company carries in its warehouses in New York and Toronto a selection of the shapes most in use for the Automobile Trade in America and most of these stock patterns are shown in this folder. Several different weights and patterns of edging for running boards are shown in Fig. 1; the E6 is a very attractive and popular form and the L5 is also a good form with ample wearing capacity. Aluminium step edgings are not only attractive; they are *safe*, because the metal has so high a coefficient of friction that it is next to impossible for the shoe sole to slip on it. In Fig. 2 will be seen two drip mouldings for running around the edge of the roof on covered cars. M8 effectively carries the water along the groove on its under side, whilst the P1 moulding is almost equally efficient with its top gutter. Sash frames are indicated by M24 and M25; lighter forms are also made. Heavy duty step treads, such as those on trolley cars and trucks, use the E2 edging or a similar pattern which is made with the same nose but varying widths of tread.

Lap plates and half ovals are shown in Fig. 3 and are typical of those most in demand for the United States trade. The M26 moulding was designed for running around the top of the cowl on a touring body and gives a very neat finish.

All these mouldings are supplied in straight twelve-foot lengths. They are packed in stout cleated pine boxes, each box containing about five hundred pounds net, so from the following table can be figured about the linear quantity in each case.

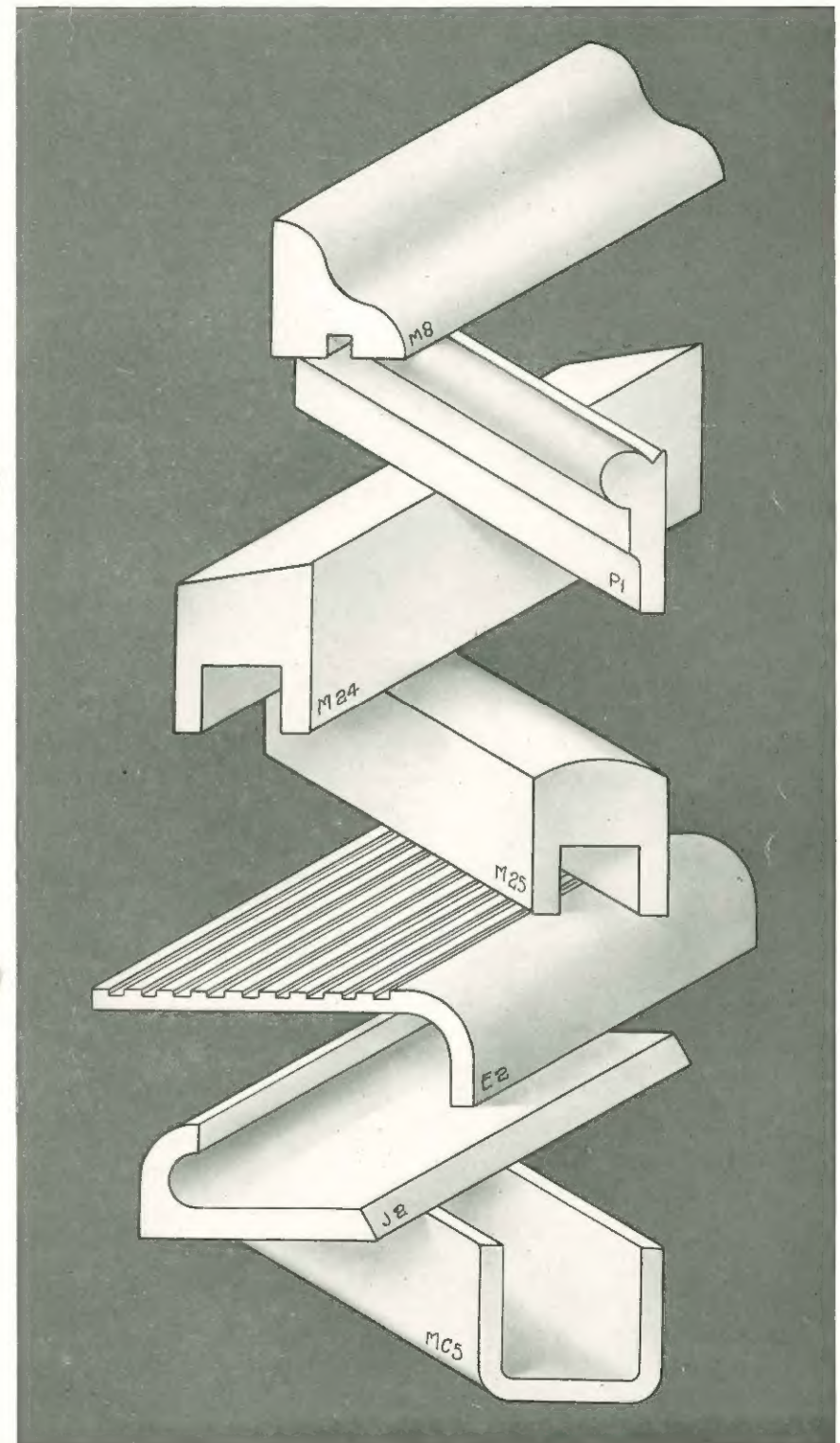


Figure 2. DRIP, SASH AND MISCELLANEOUS MOULDINGS (Exact Size)



ALUMINIUM MOULDINGS Produced by  
THE BRITISH ALUMINIUM COMPANY LIMITED

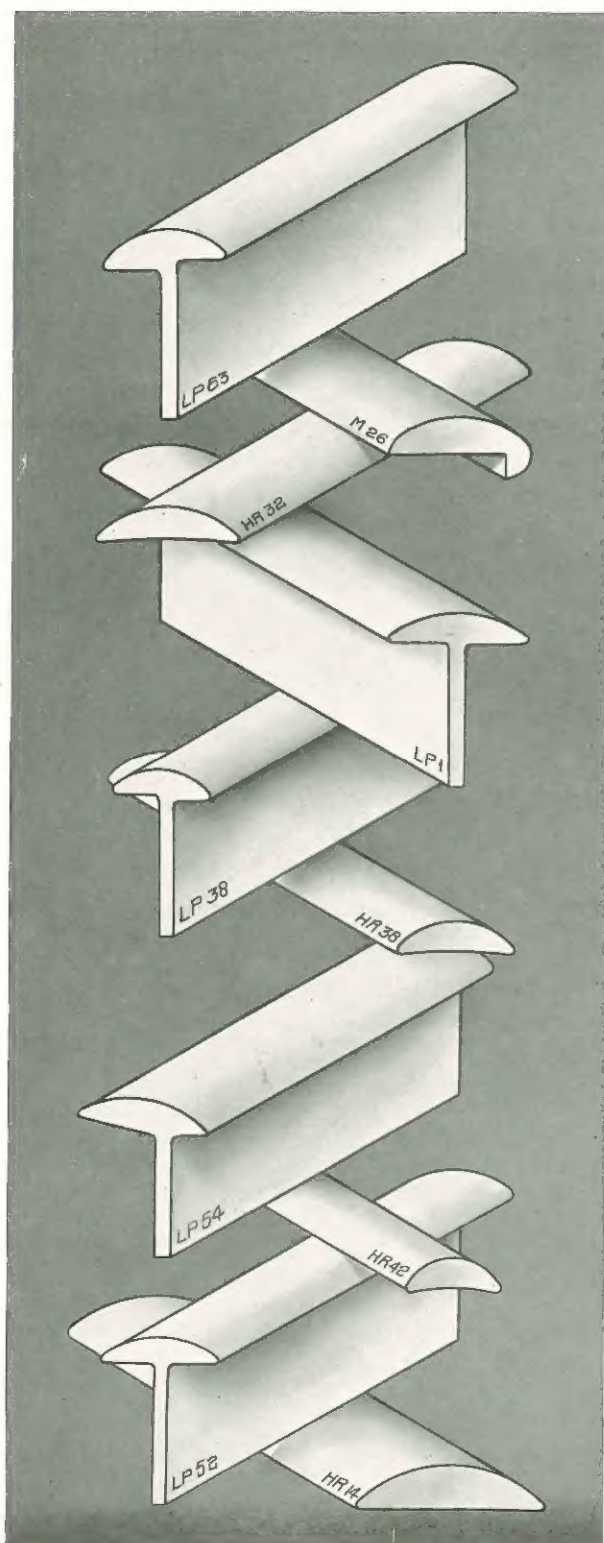


Figure 3. SOME LAP-PLATES AND HALF OVALS (Exact Size)

MOULDING	NUMBER	FEET TO THE POUND
Step edging	E6	7½
" "	J5	12½
" "	L5	5
" "	MA16	6½
" "	E5	5½
" "	E2	2¾
Drip Moulding	M8	2½
" "	P1	4
Sash	M24	1¾
" "	M25	1¾
Special	J2	3
Channel	MC5	3
Lap plate	LP63	5
" "	LP1	5
" "	LP38	7
" "	LP54	5
" "	LP52	6½
Half oval	HR32	8
" "	HR38	19½
" "	HR42	9½
" "	HR14	4½
Cowl edging	M26	7

(These weights are average ones, and, of course, not guaranteed to be maintained with absolute precision.)

In addition to Mouldings, Aluminium Sheets and Pure and Alloyed Aluminium Ingots are regularly carried in stock by

*The*  
**British Aluminium Company Ltd.**  
OF LONDON, ENGLAND  
165 BROADWAY NEW YORK CITY. U.S.A.

